



Service Manual

Created: 09 July 2016



FIREPOWER FCA1616

**Audiophile 16 In/16 Out, 24-Bit/96 kHz FireWire/USB
Audio/MIDI Interface with ADAT and MIDAS
Preamplifiers**

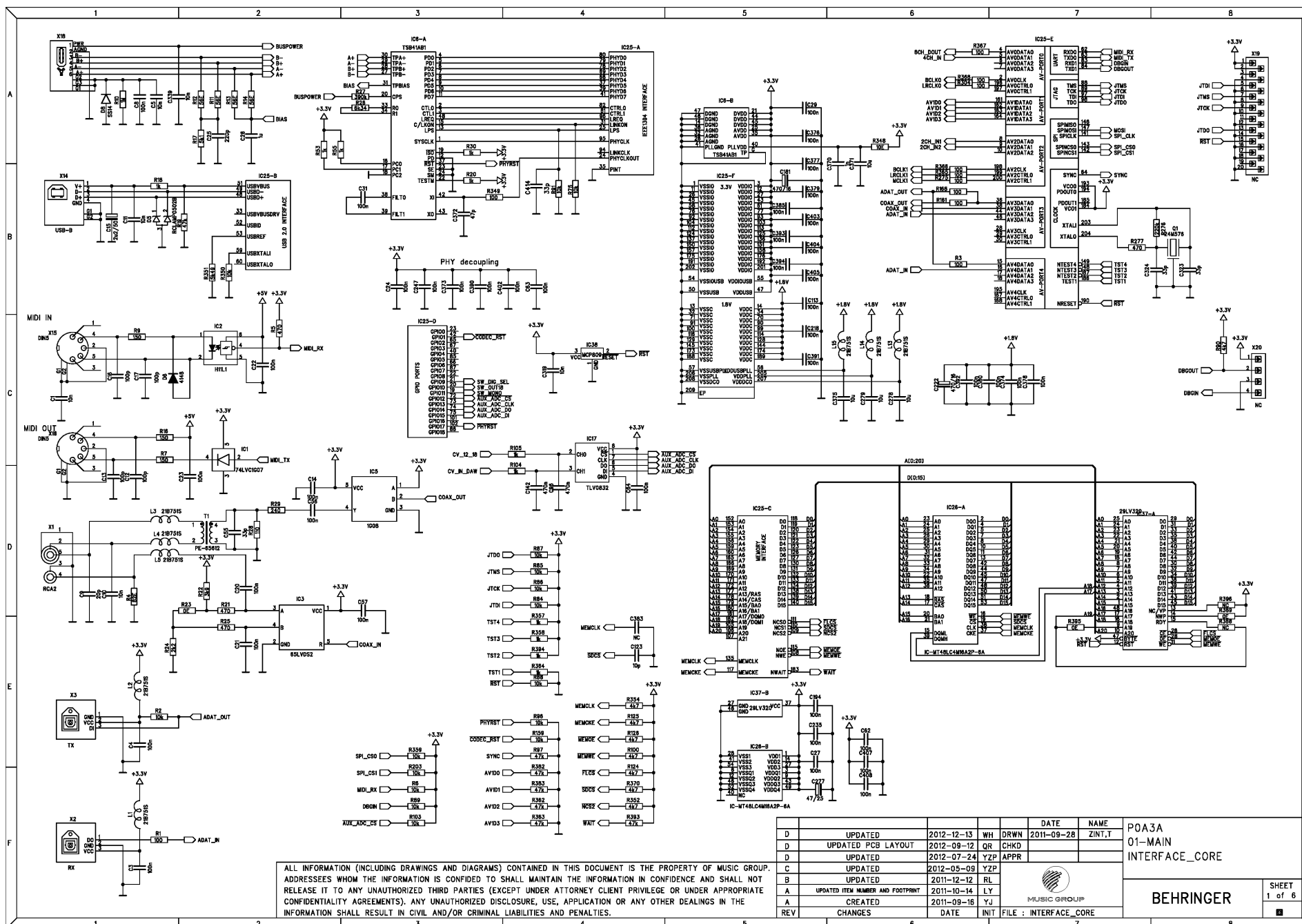
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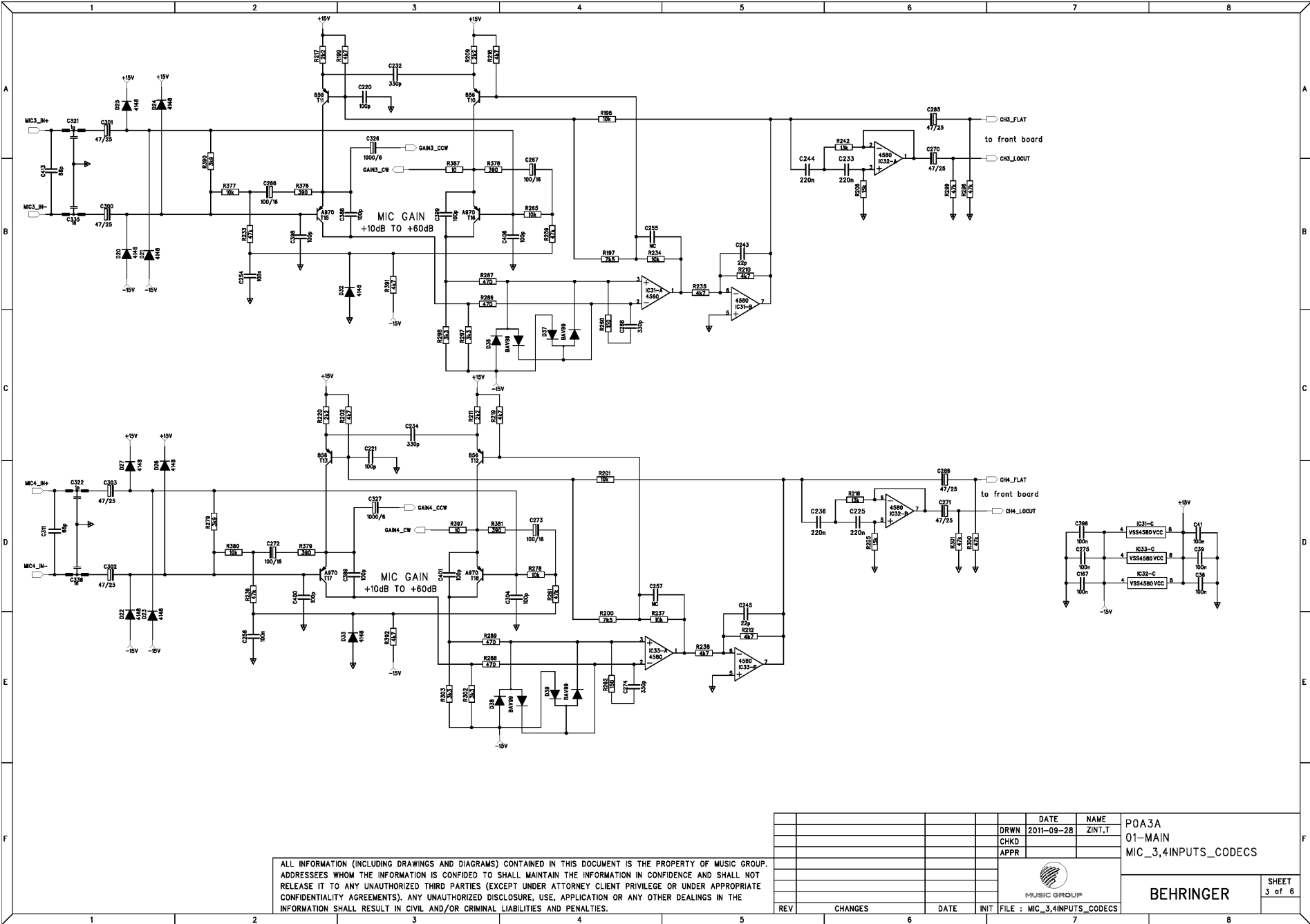
FIREPOWER FCA1616

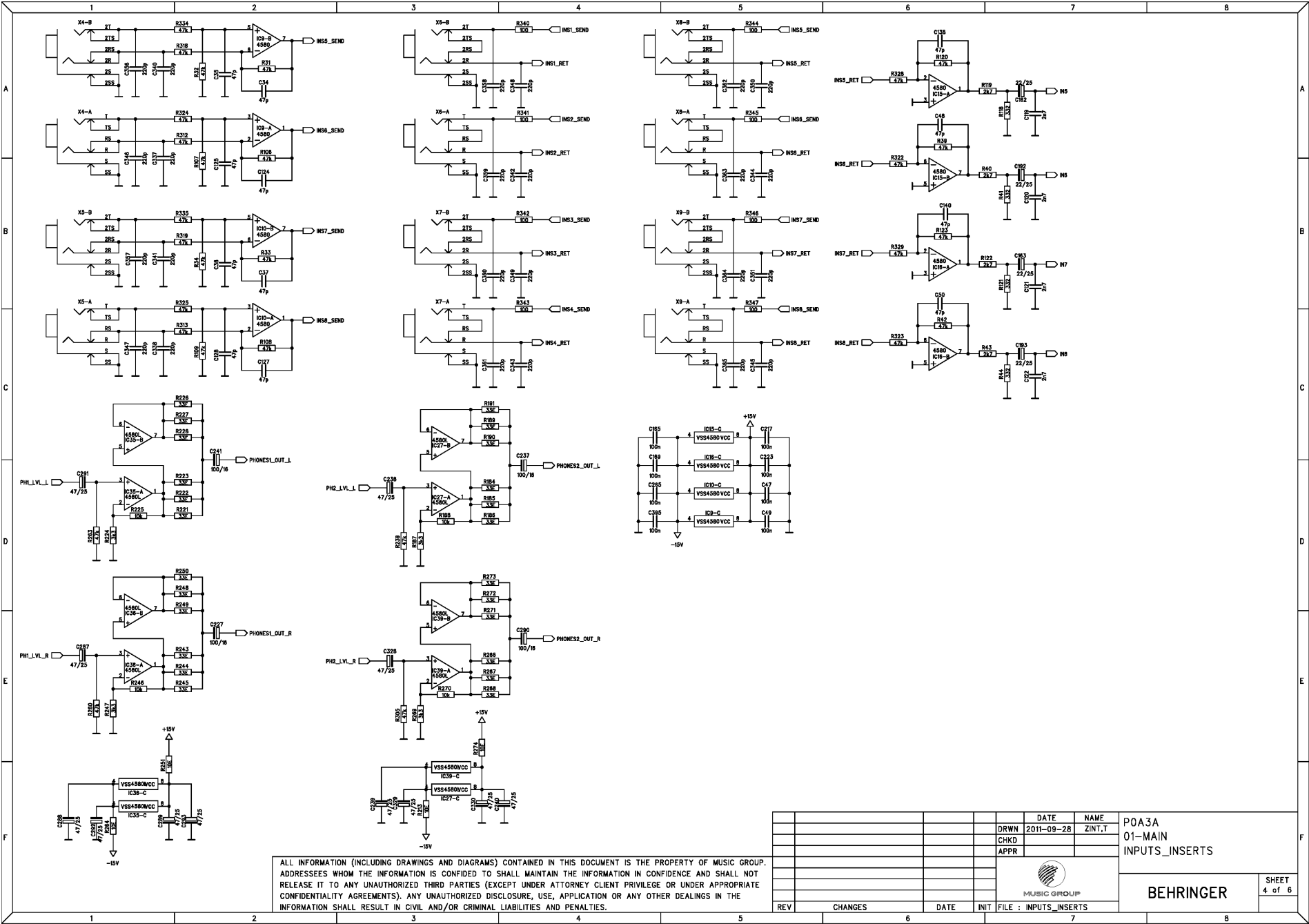
Specifications

- Audiophile audio interface with 24-Bit/96 kHz resolution for virtually any digital recording/mixing environment
- 4 state-of-the-art MIDAS designed mic preamplifiers, with phantom power, individual Pad, Low Cut and Hi-Z
- Multi-channel audio and MIDI operation via FireWire* or USB2.0
- Compatible with popular recording software including Avid Pro Tools*, Ableton Live*, Steinberg Cubase*, etc.
- Streams 16 inputs / 16 outputs plus 1x MIDI I/O with ultra-low latency to your computer, supporting Mac* OS X* and Windows XP* or higher
- All standard I/O formats supported – analog, S/PDIF (coaxial and optical), ADAT, S/MUX
- Direct Monitoring and Main Volume control with “near-zero” latency
- 2 powerful Headphone outputs with individual Volume control, Mono and Source signal select
- Level control of your stereo or 7.1 active speaker system with a single knob turn
- Smooth cross-fading between inputs and DAW playback signals while your record sessions
- 8 analog Inserts for use of external effects such as compressors, etc.
- Get 8 additional MIDAS designed microphone inputs and line outputs with the BEHRINGER ADA8200 (not included)
- Status and signal presence indication for all analog and digital I/O
- Powered via external power supply (included)
- Free audio recording, editing and podcasting software plus 150 instrument/effect plug-ins downloadable at www.behringer.com
- Standard port for Kensington* security lock
- 3-Year Warranty Program*
- Conceived and designed by BEHRINGER Germany







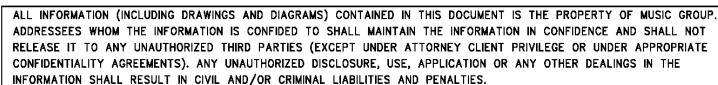


		DATE	NAME	P0A3A 01-MAIN INPUTS_INSERTS	SHEET 4 of 6
		2011-09-28	ZINT.T		
		CHKD			
		APPR		BEHRINGER	
REV	CHANGES	DATE	INIT	FILE : INPUTS_INSERTS	









Service Assemblies

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1			Q05-A3A02-00104	A09-A3A00-00004	SPARE PART;P0A3A;PCB ASSEMBLY;2;D;H;FRONT	[EXTRA SPARE]	
2			Q05-A3A01-00104	A09-A3A00-07004	SPARE PART;P0A3A;PCB ASSEMBLY;1;D;H;MAIN	[EXTRA SPARE]	

Cable

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	Q71-00000-50645	A71-00000-50645	CABLE;IEEE1394;CONNECTOR IEEE1394 6-POLE + 1600mm AWM20276 OUTER DIA:6mm1 +/- 30mm + IEEE1394 6-POLE		
2	1.0000	PC	Q71-18004-06054	A71-18004-06054	CABLE;USB2.0;BLACK;UL2725;COLOR:BLACK;LENGTH:1800mm +/- 40mm;DIA:4mm;CONNECTORS:USB/B TO USB/A;DOUBLE SHIELDING;MAGNET		
3	4.0000	PC		A81-00000-44930	WIRE HARNESS;AWG:26;UL2547;2 MM;10;PIN1 RED;130 MM;Shield PIN3 and PIN10; UL2468	[P0A3A:02: {4.0}(X7-X10)]	
4	1.0000	PC		A81-00000-44931	WIRE HARNESS;AWG:26;UL2547;2 MM;10;PIN1 RED;70 MM;Shield PIN3and PIN8; Other UL2468	[P0A3A:02: {1.0}(X13)]	
5	1.0000	PC		A81-00000-65197	WIRE HARNESS;AWG:26;UL2468;2 MM;9;50 MM;P1018-9P;A2006H-9P	[P0A3A:02: {1.0}(X12)]	
6	1.0000	PC		A81-00000-65200	WIRE HARNESS;AWG:26;UL2468;2 MM;8;100 MM;A2006H-8P;P1018-8P	[P0A3A:02: {1.0}(X11)]	
7	1.0000	PC		A81-00000-65203	WIRE HARNESS;AWG:26;UL2468;2 MM;7;200 MM;P1018-7P;A2006H-7P	[P0A3A:02: {1.0}(X14)]	
8	1.0000	PC	Q76-18042-39432	A76-18042-39432	CABLE;AC-CORD;LENGTH:180cm;VERSION:UK;PLUG:HP1-3A-UK FUSED;VDE H03VVH2-F 2x0.75mm2;CONN.HC-101;SPEC.NO:39432		(UK)
9	1.0000	PC		A76-18062-53666	CABLE;AC-CORD;W/POLYBAG;LENGTH:180cm;POLES:2;APPROVAL:CCC;AC102 + RVVB-300 2x0.75mm2 + HE107B		(CCC)
10	1.0000	PC	Q76-18012-39429	A76-18012-39429	CABLE;AC-CORD;LENGTH:180cm;VERSION:EU;PLUG:HE101;VDE H03VVH2-F 2x0.75mm2;CONN.HC-101;SPEC.NO:39429		(EU)
11	1.0000	PC	Q76-15032-00548	A76-15032-00548	CABLE;AC-CORD;CLASS II;W/POLYBAG;JAPAN;LENGTH:180cm;POLES:2;APPROVAL:PSE;VOLUME M733F + LF 2x0.75mm2 + SZC7S 8M1		(JPHM, JP5H)
12	1.0000	PC	Q76-00000-05303	A76-00000-05303	CABLE;AC-CORD;2;BR;1500 MM;Plug + Connector:206+CW4771;H03VVH2-F;2X0.75		(BR)
13	1.0000	PC	Q76-18022-39428	A76-18022-39428	CABLE;AC-CORD;LENGTH:180cm;AWG18;VERSION:UL;PLUG:HEP-10-P;UL NISPT-2/2C/60;CONN.HC-105;SPEC.NO:39428		(UL)
14	1.0000	PC	Q76-00000-13563	A76-00000-13563	CABLE;AC-CORD;2;AR;1500 MM;Plug + Connector:271+CW4771;H03VVH2-F;2X0.75		(AR)
15	1.0000	PC	Q76-18050-47487	A76-18050-47487	CABLE;AC-CORD;LENGTH:180cm;VERSION:SAA;PLUG:HE106 ISOLATED;SAA H03VVH2-F 2x0.75mm2;CONN.HC-101;SPEC.NO:47487		(SAA)

Capacitor

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	4.0000	PC			CAP E;47uF;16V;PITCH:2mm5;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0A3A:02: {4.0}]{C4-C5,C13,C20}]	*NOT available in DP
2	14.0000	PC			CAP E;100uF;16V;PITCH:2mm5;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0A3A:02: {1.0}]{C21}]	*NOT available in DP
3	28.0000	PC			CAP E;22uF;25V;PITCH:2mm5;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0A3A:01: {28.0}]{C51-C54,C101-C104,C144-C147,C158-C163,C188-C193,C195,C197,C199,C201}]	*NOT available in DP
4	36.0000	PC			CAP E;47uF;25V;PITCH:2mm5;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0A3A:01: {36.0}]{C58,C60-C61,C105,C228,C238-C240,C248,C270-C271,C276-C277,C281-C289,C291-C295,C298-C303,C328-C330}]	*NOT available in DP
5	2.0000	PC			CAP E;100uF;25V;PITCH:2mm5;6mm x 12mm;VERTICAL 12.7-15-9mm	[P0A3A:01: {2.0}]{C296-C297}]	*NOT available in DP
6	1.0000	PC			CAP E;1mF;35V;PITCH:5mm;13mm x 21mm;VERTICAL 12.7-15-9mm	[P0A3A:01: {1.0}]{C18}]	*NOT available in DP
7	5.0000	PC			CAP E;2uF2;50V;PITCH:2mm5;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0A3A:02: {4.0}]{C7-C10}]	*NOT available in DP
8	2.0000	PC			CAP E;47 uF;63 V;20 %;6mm3 x 11mm2;PITCH:2.5 mm;VERTICAL 12.7-15-9mm	[P0A3A:01: {2.0}]{C332-C333}]	*NOT available in DP
9	4.0000	PC			CAP E;1 mF;6V3;PITCH:5 MM;SIZE:8X11;L: 11+0.5MM;A;I;VERTICAL 12.7-15-9mm;85C	[P0A3A:01: {4.0}]{C280,C325-C327}]	*NOT available in DP
10	8.0000	PC			CAP CER;100 nF;50 V;X7R;10 %;SMD805	[P0A3A:1: {8.0}]{C12-C213,C225,C233,C236,C244,C260-C261}]	*NOT available in DP
11	8.0000	PC			CAP CER;1.8 nF;50 V;COG;5 %;SMD805	[P0A3A:1: {8.0}]{C70,C73,C76,C79,C172,C174,C176,C178}]	*NOT available in DP
12	8.0000	PC			CAP CER;5.6 nF;50 V;COG;5 %;SMD805	[P0A3A:1: {8.0}]{C72,C75,C78,C81,C196,C198,C200,C202}]	*NOT available in DP
13	1.0000	PC			CAP CER;4uF;6V3;X5R;10%;SMT805	[P0A3A:1: {1.0}]{C100}]	*NOT available in DP
14	4.0000	PC			CAP CER;10 uF;6.3 V;X5R;10 %;SMD805;YAGEO (CC85KRX5R6BB106)	[P0A3A:1: {2.0}]{C371,C375}]	*NOT available in DP
15	10.0000	PC			CAP CER;1uF;16V;X7R;10%;SMT805	[P0A3A:1: {10.0}]{C85,C87,C89-C90,C92-C93,C149,C151-C152,C155}]	*NOT available in DP
16	1.0000	PC			CAP CER;1 uF;25 V;X5R;10 %;SMD603	[P0A3A:1: {1.0}]{C26}]	*NOT available in DP
17	1.0000	PC			CAP CER;10pF;50V;10%;SMT603	[P0A3A:1: {1.0}]{C123}]	*NOT available in DP
18	5.0000	PC			CAP CER;20pF;50V;20%;SMT603	[P0A3A:02: {4.0}]{C37-C38,C62,C65}]	*NOT available in DP
19	4.0000	PC			CAP CER;22pF;50 V;5 %;SMD603	[P0A3A:1: {4.0}]{C210,C242-C243,C245}]	*NOT available in DP
20	4.0000	PC			CAP CER;33pF;50V;5%;COG(NPO);SMT603	[P0A3A:1: {4.0}]{C55,C323-C324,C414}]	*NOT available in DP
21	29.0000	PC			CAP CER;47pF;50V;5%;COG(NPO);SMT603	[P0A3A:02: {8.0}]{C23,C25,C27,C29,C57-C60}]	*NOT available in DP
22	8.0000	PC			CAP CER;68pF;50V;20%;SMT603	[P0A3A:02: {4.0}]{C40,C61,C63-C64}]	*NOT available in DP
23	16.0000	PC			CAP CER;100pF;50V;5%;COG;SMD603	[P0A3A:1: {13.0}]{C381-C382,C384,C386-C389,C397-C401,C406}]	*NOT available in DP
24	9.0000	PC			CAP CER;100pF;50V;20%;SMT603	[P0A3A:1: {9.0}]{C12-C13,C16-C17,C99,C186,C219-C221}]	*NOT available in DP
25	56.0000	PC			CAP CER;220pF;50V;10%;SMT603	[P0A3A:02: {12.0}]{C30-C31,C39,C41,C48-C55}]	*NOT available in DP
26	8.0000	PC			CAP CER;330pF;50V;COG;5%;SMD603	[P0A3A:1: {8.0}]{C187,C231-C232,C234,C259,C264,C268,C274}]	*NOT available in DP
27	8.0000	PC			CAP CER;390pF;50V;10%;SMT603	[P0A3A:1: {8.0}]{C71,C74,C77,C80,C164,C166,C168,C170}]	*NOT available in DP
28	3.0000	PC			CAP CER;1nF;50V;10%;SMT603	[P0A3A:1: {2.0}]{C370,C409}]	*NOT available in DP
29	4.0000	PC			CAP CER;2nF7;50V;10%;SMT603	[P0A3A:1: {4.0}]{C119-C122}]	*NOT available in DP
30	1.0000	PC			CAP CER;8nF2;50V;10%;SMT603	[P0A3A:1: {1.0}]{C98}]	*NOT available in DP
31	24.0000	PC			CAP CER;10nF;50V;10%;SMT603	[P0A3A:02: {10.0}]{C22,C24,C26,C28,C33,C45,C68-C70,C72}]	*NOT available in DP
32	1.0000	PC			CAP CER;10nF;50V;X7R;10%;SMT603	[P0A3A:1: {1.0}]{C319}]	*NOT available in DP
33	85.0000	PC			CAP CER;100nF;50V;10%;SMT603	[P0A3A:02: {6.0}]{C32,C35-C36,C56,C66-C67}]	*NOT available in DP
34	1.0000	PC			CAP CER;330pF;50V;10%;SMT805	[P0A3A:1: {1.0}]{C66}]	*NOT available in DP
35	8.0000	PC			CAP CER;1nF2;50V;COG;5%;SMD805	[P0A3A:1: {8.0}]{C107-C110,C173,C175,C177,C179}]	*NOT available in DP
36	4.0000	PC			CAP CER;2nF2;50V;COG;5%;SMD805	[P0A3A:1: {4.0}]{C204-C207}]	*NOT available in DP
37	1.0000	PC			CAP CER;6nF8;50V;10%;SMT805;X7R	[P0A3A:1: {1.0}]{C67}]	*NOT available in DP

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
38	1.0000	PC			CAP CER;10nF;50V;10%;SMT805	[P0A3A:1: {1.0}]{C97}]	*NOT available in DP
39	31.0000	PC			CAP CER;100nF;50V;X7R;10%;SMT805	[P0A3A:02: {4.0}]{C43-C44,C46-C47}]	*NOT available in DP
40	2.0000	PC			CAP CER;100nF;50V;X7R;20%;SMT805	[P0A3A:1: {2.0}]{C8,C31}]	*NOT available in DP
41	2.0000	PC			CAP CER;470nF;50V;10%;SMT805	[P0A3A:1: {2.0}]{C96,C142}]	*NOT available in DP
42	2.0000	PC			CAP CER;10nF;100V;10%;SMT805	[P0A3A:02: {1.0}]{C71}]	*NOT available in DP
43	4.0000	PC			CAP MYL;22nF;50V;10%;PITCH:5mm;DIPPED;VERTICAL 12.7-15-9mm	[P0A3A:02: {4.0}]{C1-C2,C11-C12}]	*NOT available in DP
44	8.0000	PC			CAP FILTER;1 nF;100 V;20 %;5 MM;EMIFIL;DSS6NC52A102Q55B	[P0A3A:01: {8.0}]{C249,C251,C320-C322,C334-C336}]	*NOT available in DP
45	4.0000	PC			CAP E;470uF;16V;PITCH:5mm;10mm x 16mm;LOW ESR;VERTICAL 12.7-15-9mm	[P0A3A:01: {4.0}]{C143,C181-C182,C222}]	*NOT available in DP
46	1.0000	PC			CAP E;47 uF;35 V;20 %;RADIAL;6.3*11;2.5 MM;T&R	[P0A3A:01: {1.0}]{C30}]	*NOT available in DP
47	8.0000	PC			CAP E;47uF;50V;PITCH:2mm5;6mm x 11mm;LOW LEAKAGE;VERTICAL 12.7-15-9mm	[P0A3A:02: {8.0}]{C3,C6,C14-C19}]	*NOT available in DP

Coil

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	2.0000	PC	R37-13300-00792	B37-13300-00792	COIL;CHOK;33uH;10%;CORE:8 x 5mm5;PITCH:5mm;1600mA	[P0A3A:01: {2.0}]{L6,L9}]	
2	15.0000	PC	R39-00000-03394	B39-00000-03394	COIL;SMD;BEAD;SMD0805;(BLM21BD751SN1D)	[P0A3A:1: {3.0}]{L15-L17}]	

Connector

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	R83-20184-37925	B83-20184-37925	CONNECTOR;FEMALE;ANGLED;USB;SINGLE;TYPE-B	[P0A3A:01: {1.0}]{X14}]	
2	1.0000	PC		B83-40680-00504	CONNECTOR;IEEE1394;ANGLED;VERTICAL;POLES:6;TYPE:01	[P0A3A:01: {1.0}]{X18}]	
3	1.0000	PC	R84-00000-01617	B84-00000-01617	AMP TERMINAL;BRASS;707A-B5-2		
4	74.0000	PC	R84-25016-06014	B84-25016-06014	CRIMP TERMINAL;PITCH:2mm0;AWG24-30;A2008TOP-2		
5	1.0000	PC	R84-30060-06007	B84-30060-06007	JACKET;FOR 6mm35 AMP CONNECTOR;PVC;STRAIGHT;DIAMETER:3mm		
6	1.0000	PC	R84-39000-03120	B84-39000-03120	CONNECTOR;AMP;PCB;PCB MOUNT;PITCH:5mm;WIDTH:6mm3	[P0A3A:01: {1.0}]{X29}]	
7	4.0000	PC	R95-07330-54674	B95-07330-54674	CONNECTOR;XLR;COMBO;FEMALE;STRAIGHT;POLES:3;PANEL MOUNTABLE	[P0A3A:02: {4.0}]{X3-X6}]	

Diode

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	7.0000	PC			DIODE;SCHOTTKY;SS14;DO214-AC;SMD	[P0A3A:1: {7.0}]{D1-D4,D7-D9}]	*NOT available in DP
2	1.0000	PC			DIODE;1N5817;DO41	[P0A3A:01: {1.0}]{D10}]	*NOT available in DP
3	8.0000	PC			DIODE;BAV99;SOT23;SMD	[P0A3A:1: {8.0}]{D18-D19,D34-D39}]	*NOT available in DP
4	29.0000	PC			DIODE;LL4148;LL34;TEMIC OR FC;SMD	[P0A3A:02: {8.0}]{D1-D8}]	*NOT available in DP
5	1.0000	PC			DIODE;ZENER;15 V;1PMT5929BT1G;SMD	[P0A3A:1: {1.0}]{D14}]	*NOT available in DP
6	1.0000	PC			DIODE;ZMM47V0;SMD1206	[P0A3A:1: {1.0}]{D40}]	*NOT available in DP
7	4.0000	PC			DIODE;RECTIFIER;280 V;SMA;RS1G-13-F;SMD	[P0A3A:1: {4.0}]{D13,D28-D30}]	*NOT available in DP
8	1.0000	PC			DIODE;5 V;RCLAMP0502B;SOT-523	[P0A3A:1: {1.0}]{D5}]	*NOT available in DP

Hardware

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	0.5000	G			SCREWLOCK;SPEC.NO:01090		*NOT available in DP
2	8.0000	PC			SCREW;A;DIA:3 MM;LEN:10 MM;CHEESE;OD:5.5 MM;NICKEL;SILVER/WHITE;HEXAGON REC.;P0B31-XLR-SCREW-REVA		*NOT available in DP
3	10.0000	PC			SCREW;M3mm*5mm;HEAD:PAN;INSERT:PHILIPS REC.;SURFACE:SILVER ZINC		*NOT available in DP
4	1.0000	PC			SCREW;M3mm*8mm;HEAD:PAN;INSERT:PHILLIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP
5	3.0000	PC			SCREW;BT3mm*10mm;HEAD:PAN;INSERT:PHILIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP
6	4.0000	PC			SCREW;M4mm*8mm;HEAD:FLAT;INSERT:PHILIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP
7	1.0000	PC			SILICA GEL;MASS;10g;SPEC.NO:10QB-BB2001-4		*NOT available in DP
8	0.5000	M			SHRINKING TUBE;INNER DIA;1mm;SPEC.NO:43217		*NOT available in DP
9	0.3000	M			SHRINKING TUBE;INNER DIA;3mm;SPEC.NO:01097		*NOT available in DP
10	4.0000	PC			METAL;3 MM;5 MM;FLAT;4.8 MM;ZINC;BLACK;CROSS REC.;0.5 MM;M3X5		*NOT available in DP
11	7.0000	PC			SCREW;M3mm*5mm;PITCH:0mm5;HEAD:FLAT;DIA:4mm5;INSERT:P HILIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP

Ic

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	560-00000-15587	C60-00000-15587	IC;AD/DA;MQFP 52;SMD;CS42435	[P0A3A:1: {1.0}]{IC24}]	
2	1.0000	PC		C60-00000-29813	IC;AD/DA;SOIC;8;TLV0832IDR;SMD	[P0A3A:1: {1.0}]{IC17}]	
3	18.0000	PC	S73-59458-00508	C73-00000-29050	IC;OPAMP;SMD;SOP;8;BA4580RF	[P0A3A:1: {18.0}]{IC9-IC16,IC18-IC21,IC28-IC33}]	
4	2.0000	PC	S73-58007-22208	C73-58007-22208	IC;OPAMP OPAMP;TL072;SOP;BRAND:ST ONLY	[P0A3A:02: {2.0}]{IC4-IC5}]	
5	4.0000	PC	S73-59458-00408	C73-59458-00408	IC;OPAMP OPAMP;NJM4580L;SIP	[P0A3A:01: {4.0}]{IC27,IC35-IC36,IC39}]	
6	1.0000	PC	S74-00000-15607	C74-00000-15607	IC;POWER CONVERSION;SEPIC CONTROLLER;LTC1871;SMD;MSOP;10	[P0A3A:1: {1.0}]{IC7}]	
7	1.0000	PC	S74-66159-10508	C74-66159-10508	IC;CONVERTER;MP1591DS;SO8/150;SMD	[P0A3A:1: {1.0}]{IC8}]	
8	1.0000	PC	S77-00128-03001	C77-00128-03001	IC;VOLT.REGULATOR;ADJUSTABLE;SOT223;NCP1117STAT3;SMD	[P0A3A:1: {1.0}]{IC34}]	
9	1.0000	PC	S77-00155-03001	C77-00155-03001	IC;VOLT.REGULATOR;ADJUSTABLE;DPAK;NCP1117DTARKG;SMD	[P0A3A:1: {1.0}]{IC4}]	
10	1.0000	PC	T10-00000-25621	D10-00000-25621	IC;ASIC;48;TRANSCIEVER;TSB41AB1PHP;PHP48;SMD	[P0A3A:1: {1.0}]{IC6}]	
11	1.0000	PC	T10-00000-25626	D10-00000-25626	IC;ASIC;QFP;208;PROCESSOR;DM1500E-CQL	[P0A3A:1: {1.0}]{IC25}]	
12	1.0000	PC	T12-19112-40003	D12-19112-40003	IC;RECEIVER;OPTIC;JSR1124-B	[P0A3A:01: {1.0}]{X2}]	
13	1.0000	PC	T12-19112-40013	D12-19112-40013	IC;TRANSMITTER;OPTIC;JST1124	[P0A3A:01: {1.0}]{X3}]	
14	1.0000	PC	T12-64650-22805	D12-64650-22805	IC;DRIVER;SOT23;SMD;65LVD52	[P0A3A:1: {1.0}]{IC3}]	
15	1.0000	PC	T17-00000-57305	D17-00000-57305	IC;DRAM;TSOP;SMD;54;MT48LC4M16A2P-6A J	[P0A3A:1: {1.0}]{IC26}]	
16	1.0000	PC	T22-00000-18232	D22-00000-18232	IC;LOGIC;5;74LVC1G07GV;SOT753;SMD	[P0A3A:1: {1.0}]{IC1}]	
17	1.0000	PC	T22-27010-82805	D22-27010-82805	IC;LOGIC;74LVC1G08;SOT-23;5PIN;SMD	[P0A3A:1: {1.0}]{IC5}]	
18	6.0000	PC	T22-31059-50520	D22-31059-50520	IC;LOGIC;74HC595;SOP	[P0A3A:02: {6.0}]{IC1-IC3,IC6-IC8}]	
19	1.0000	PC	T24-48030-02803	D24-48030-02803	IC;MICROCONTROLLER;MAX809STRG;Vth:2.93V;SOT	[P0A3A:1: {1.0}]{IC38}]	
20	1.0000	PC	T27-07024-05004	D27-07024-05004	IC;EPROM;MX29LV320EBT1-70G;TSOP		
21	2.0000	PC	T28-54534-00616	D28-54534-00616	IC;CONVERTER A/D CONVERTER;CS5340-CZZ;TSSOP	[P0A3A:1: {2.0}]{IC22-IC23}]	
22	1.0000	PC		D33-00001-33720	IC;MICROCONTROLLER, PROGRAMMED;MX29LV320EBT1-70G ;P0A3A(FCA1616)_PCB01 REV 1.0	[P0A3A:1: {1.0}]{IC37}]	

Led

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	U10-00000-04901	E10-00000-04901	LED HIB;3mm0 ROUND;AMBER;BULK;W/RING	[P0A3A:02: {1.0}](LD45)]	
2	6.0000	PC	U10-53565-00588	E10-53565-00588	LED HIB;3mm ROUND;GREEN	[P0A3A:02: {6.0}](LD20,LD22-LD23,LD26,LD29,LD32)]	
3	11.0000	PC	U10-59585-00592	E10-59585-00592	LED HIB;3mm ROUND;YELLOW	[P0A3A:02: {11.0}](LD1-LD6,LD24,LD27,LD30,LD33,LD35)]	
4	10.0000	PC	U12-57620-05882	E12-57620-05882	LED;3mm ROUND;RD;WAVELENGTH :630~645nm;Vf:1.8~2.6V;LUMINOUS INTENSITY:lv:80mcd-140mcd	[P0A3A:02: {10.0}](LD7-LD10,LD19,LD21,LD25,LD28,LD31,LD34)]	
5	16.0000	PC	U13-00000-23349	E13-00000-23349	LED;3mm0 ROUND;GREEN/RED;3-PIN; COMMON CATHODE;WHITE DIFFUSED	[P0A3A:02: {16.0}](LD11-LD18,LD36-LD43)]	
6	1.0000	PC		E13-00000-37626	LED;3mm0 ROUND;BURD;RING;COMMON CATHODE;NORMAL BRIGHT;WHITE LEN	[P0A3A:02: {1.0}](LD44)]	

Metal Part

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	Q62-00000-00931	A62-00000-00931	METAL;P0A3A;ALUMINIUM ;BRACKET;DIE CUTTINT;SIDE		
2	1.0000	PC		A65-00000-74328	METAL;CLIP;P0A3A;SPRING STEEL 0.5mm;BENDING + PUNCHING;TIN COATED;P0A3A-MET _CLIP-REVA		
3	1.0000	PC		J02-00000-65617	METAL;P0A3A;SECC 0.8mm;PANEL;BENDING + STAMPING;SPRAYING;BLACK;CABINET;A002		
4	1.0000	PC		J05-00000-65602	METAL;P0A3A;AL 6063;FRONT;EXTRUSION, CUTTING;HAIRLINE;ANODIZING;1795;PANEL;A002		
5	1.0000	PC	Z05-00000-65630	J05-00000-65630	METAL;P0A3A;SECC 0.8mm;COVER;BENDING + STAMPING;SPRAYING;BLACK;TOP;A007		
6	1.0000	PC	Z05-00000-65636	J05-00000-65636	METAL;P0A3A;ALUMINIUM;BRACKET;Die Cutting;BLACK;RIGHT;A008		

Plastic Part

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	4.0000	PC	W51-01200-01762	G51-01200-01762	RUBBER FOOT;STANDARD;SELF-ADHESIVE;COLOR:BLK;DWG.NO:01762		
2	8.0000	PC	W52-00000-46802	G52-00000-46802	PLASTIC;P0A3B;ABS;KNOB;INJECTION MOULDING;BLACK;WHITE;FCA610 _ROTATED _KNOB		
3	20.0000	PC		G52-00000-46805	PLASTIC;P0A3B;ABS;KNOB;INJECTION MOULDING;BLACK;P0A3B _PUSH _KNOB		
4	2.0000	PC		G58-00000-46808	PLASTIC;P0A3B;NYLON 6(POLYAMIDE 6);SPACER;INJECTION MOULDING;BLACK;P0A3B _8WAY _SPACER		
5	2.0000	PC		G58-00000-46811	PLASTIC;P0A3B;NYLON 6;SPACER;INJECTION MOULDING;BLACK;P0A3B _LED _6WAY _SPACER		
6	16.0000	PC	W58-00200-11688	G58-00200-11688	PLASTIC;SPACER;MOULDING;BLACK;NO:5;DST.NO:002;DPT.NO:11688;(LED-SPACER21-REVB.DWG)		
7	1.0000	PC		G58-00300-10875	PLASTIC;LED SPACER;I00354P;DST.NO:003;DPT.NO:10875;(I00354P-LED _SPACER-REVC.DWG)		
8	1.0000	PC	W58-00300-12483	G58-00300-12483	PLASTIC;WIRE CLIP;BCN44;DST.NO:003;DPT.NO:12483;(BCN44-WIRECLIP-REVC.dwg)		

Plug Socket

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	10.0000	PC	W64-00000-15616	G64-00000-15616	PLUG;PHONE JACK;2 WAY;ADD GLUE;PJ-638WAX2	[P0A3A:01: {10.0}(X4-X13)]	
2	2.0000	PC	W64-16212-00006	G64-16212-00006	PLUG;AMP;PLUG;JACK STEREO 6mm3;STRAIGHT;NO NUT/WASHER;PLASTIC BUSHING;(CHUNSHENG PJ-634HA)	[P0A3A:02: {2.0}(X1-X2)]	
3	1.0000	PC	W64-15600-40035	G64-16660-46894	PLUG;PLUG;DC JACK;FOR 5mm PLUGS;ANGLED;SOLDER LUGS;PIN DIA:2mm;PBT;BLACK;(CHUN-SHENG DC-005-2.0)	[P0A3A:01: {1.0}(X17)]	
4	1.0000	PC	W68-00000-56304	G68-00000-56304	PLUG;RCA;JACK MONO 6mm3;2 POLE;RED/WHITE;SHIELD RED	[P0A3A:01: {1.0}(X1)]	
5	1.0000	PC	W71-23107-04746	G71-23107-04746	WAFER;POLES:7;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-7P	[P0A3A:01: {1.0}(X28)]	
6	1.0000	PC	W71-23108-04747	G71-23108-04747	WAFER;POLES:8;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-8P	[P0A3A:01: {1.0}(X26)]	
7	1.0000	PC	W71-23109-04748	G71-23109-04748	WAFER;POLES:9;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-9P	[P0A3A:01: {1.0}(X21)]	
8	5.0000	PC	W71-23110-04749	G71-23110-04749	WAFER;POLES:10;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-10P	[P0A3A:01: {5.0}(X22-X25,X27)]	
9	1.0000	PC	W71-43107-05999	G71-43107-05999	PLUG;HOUSING;POLES:7;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
10	1.0000	PC	W71-43108-06000	G71-43108-06000	PLUG;HOUSING;POLES:8;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
11	1.0000	PC	W71-43109-06001	G71-43109-06001	PLUG;HOUSING;POLES:9;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
12	5.0000	PC	W71-43110-06002	G71-43110-06002	PLUG;HOUSING;POLES:10;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
13	74.0000	PC	W71-80000-05663	G71-80000-05663	BD.-IN-CONN;TERMINAL;SAN-002T-0.8A		
14	1.0000	PC	W71-83107-05651	G71-83107-05651	BOARD-IN-CONNECTOR;POLES:7;ROWS:1;STRAIGHT;PITCH:2 mm		
15	1.0000	PC	W71-83108-05652	G71-83108-05652	BOARD-IN-CONNECTOR;POLES:8;ROWS:1;STRAIGHT;PITCH:2 mm		
16	1.0000	PC	W71-83109-05817	G71-83109-05817	BOARD-IN-CONNECTOR;POLES:9;ROWS:1;STRAIGHT;PITCH:2 mm		
17	5.0000	PC	W71-83110-05654	G71-83110-05654	BOARD-IN-CONNECTOR;POLES:10;ROWS:1;STRAIGHT;PITCH:2 mm		
18	2.0000	PC	W76-10580-03132	G76-10580-03132	PLUG;DIN;PLUG;FEMALE;POLES:5;ANGLED	[P0A3A:01: {2.0}(X15-X16)]	

Power Supply

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	Z66-05612-33272	J66-05612-33272	TRAFO;PULSE;PE-65612;SPEC.NO:33272	[P0A3A:01: {1.0}(T1)]	
2	1.0000	PC	Z69-00000-20465	J69-00000-20465	TRAFO;SWITCH MODE;P0A3B;COMMON;23uH	[P0A3A:01: {1.0}(TR1)]	
3	1.0000	PC		G81-00001-38881	ADAPTOR;AC;P0A3A;UNIVERSAL 100 TO 240;DC12V;2A;VI		(EU, UL, UK, SAA, CCC, BR)
4	1.0000	PC		G81-00001-38881	ADAPTOR;AC;P0A3A;UNIVERSAL 100 TO 240;DC12V;2A;VI		
5	1.0000	PC		G81-00001-38881	ADAPTOR;AC;P0A3A;UNIVERSAL 100 TO 240;DC12V;2A;VI		
6	1.0000	PC	W81-00000-66597	G81-00000-66597	ADAPTOR;AC;P0A3A;UNIVERSAL 100 TO 240;AR;GPE:GPE242-120200D		(AR)
7	1.0000	PC		G81-00001-48551	ADAPTOR;AC;P0A3A;UNIVERSAL 100 TO 240;VERSION:SH;12VDC2A;WITH LABEL;SOUND HOUSE		(JPSH)
8	1.0000	PC		G81-00001-48552	ADAPTOR;AC;P0A3A;UNIVERSAL 100 TO 240;VERSION:HM;12VDC2A;WITH LABEL;HOTLINE MUSIC		(JPHM)
9	1.0000	PC	W81-00000-66594	G81-00000-66594	ADAPTOR;AC;P0A3A;UNIVERSAL 100 TO 240;AR;TENPAO:S024DP1200200		(AR)
10	1.0000	PC	W81-00000-45027	G81-00000-45027	ADAPTOR;AC;P0A3A;TENPAO:S024DP1200200;UNIVERSAL 100 TO 240;COMMON		(EU, UK, SAA, CCC, BR)
11	1.0000	PC	W81-00000-45027	G81-00000-45027	ADAPTOR;AC;P0A3A;TENPAO:S024DP1200200;UNIVERSAL 100 TO 240;COMMON		
12	1.0000	PC		G81-00001-45916	ADAPTOR;AC;P0A3A;UNIVERSAL 100 TO 240;VERSION:JP;12VDC2A;WITH NO LABEL		(JPHM, JPSH)

Quarz

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	X65-10400-24576	H65-10400-24576	QUARZ;RESONATOR;24MHz576;HC49S FUNDAMENTAL	[P0A3A:01: {1.0}(Q1)]	

Resistor

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	4.0000	PC			RESISTOR;METAL;10 ohm;0W100;1 %;200 PPM;SMD603;MET	[P0A3A:1: {4.0}(R361,R385,R387,R397)]	*NOT available in DP
2	8.0000	PC			RESISTOR;METAL;470 ohm;0W100;1 %;100 PPM;SMD603;MET	[P0A3A:1: {8.0}(R177,R179,R284-R289)]	*NOT available in DP
3	4.0000	PC			RESISTOR;METAL;3.9 kohm;0W100;1 %;100 PPM;SMD603;MET	[P0A3A:1: {3.0}(R353,R369,R390)]	*NOT available in DP
4	16.0000	PC			RESISTOR;METAL;10 kohm;0W100;1 %;100 PPM;SMD603;MET	[P0A3A:1: {5.0}(R356,R372,R374,R377,R380)]	*NOT available in DP
5	4.0000	PC			RESISTOR;METAL;150 ohm;0W100;1 %;100 PPM;SMD603;MET	[P0A3A:1: {4.0}(R254,R258,R260,R262)]	*NOT available in DP
6	8.0000	PC			RESISTOR;METAL;390 ohm;0W100;1 %;100 PPM;SMD603;MET	[P0A3A:1: {8.0}(R355,R373,R375-R376,R378-R379,R381,R384)]	*NOT available in DP
7	4.0000	PC			RESISTOR;CARBON;56ohm;5%;0W063;SMD603	[P0A3A:1: {4.0}(R11-R14)]	*NOT available in DP
8	3.0000	PC			RESISTOR;CARBON;0ohm;5%;0W063;SMD603	[P0A3A:1: {2.0}(R389,R395)]	*NOT available in DP
9	1.0000	PC			RESISTOR;CARBON;47ohm;5%;0W063;SMD603	[P0A3A:1: {1.0}(R54)]	*NOT available in DP
10	1.0000	PC			RESISTOR;CARBON;82ohm;5%;0W063;SMD603	[P0A3A:1: {1.0}(R4)]	*NOT available in DP
11	23.0000	PC			RESISTOR;CARBON;100ohm;5%;0W063;SMD603	[P0A3A:1: {13.0}(R340-R347,R349,R365-R368)]	*NOT available in DP
12	1.0000	PC			RESISTOR;CARBON;110ohm;5%;0W063;SMD603	[P0A3A:1: {1.0}(R28)]	*NOT available in DP
13	3.0000	PC			RESISTOR;CARBON;150ohm;5%;0W063;SMD603	[P0A3A:1: {3.0}(R7,R9,R16)]	*NOT available in DP
14	1.0000	PC			RESISTOR;CARBON;240ohm;5%;0W063;SMD603	[P0A3A:1: {1.0}(R29)]	*NOT available in DP
15	11.0000	PC			RESISTOR;CARBON;330ohm;5%;0W063;SMD603	[P0A3A:02: {11.0}(R18-R21,R24,R27,R92,R95,R98,R101,R111)]	*NOT available in DP
16	6.0000	PC			RESISTOR;CARBON;390ohm;5%;0W063;SMD603	[P0A3A:02: {6.0}(R48,R50,R91,R94,R97,R100)]	*NOT available in DP
17	36.0000	PC			RESISTOR;CARBON;470ohm;5%;0W063;SMD603	[P0A3A:02: {32.0}(R51-R57,R59-R60,R64-R69,R71,R88,R104,R106-R110,R113-R121)]	*NOT available in DP
18	1.0000	PC			RESISTOR;CARBON;820ohm;5%;0W063;SMD603	[P0A3A:02: {1.0}(R89)]	*NOT available in DP
19	11.0000	PC			RESISTOR;CARBON;1Kohm;5%;0W063;SMD603	[P0A3A:1: {4.0}(R357-R358,R364,R394)]	*NOT available in DP
20	1.0000	PC			RESISTOR;CARBON;1Kohm5;5%;0W063;SMD603	[P0A3A:02: {1.0}(R112)]	*NOT available in DP
21	1.0000	PC			RESISTOR;CARBON;2Kohm2;5%;0W063;SMD603	[P0A3A:1: {1.0}(R24)]	*NOT available in DP
22	1.0000	PC			RESISTOR;CARBON;3Kohm;5%;0W063;SMD603	[P0A3A:02: {1.0}(R90)]	*NOT available in DP
23	4.0000	PC			RESISTOR;CARBON;3Kohm3;5%;0W063;SMD603	[P0A3A:1: {4.0}(R187,R224,R247,R269)]	*NOT available in DP
24	6.0000	PC			RESISTOR;CARBON;3Kohm6;5%;0W063;SMD603	[P0A3A:02: {6.0}(R38-R41,R47,R49)]	*NOT available in DP
25	5.0000	PC			RESISTOR;CARBON;3Kohm9;5%;0W063;SMD603	[P0A3A:02: {4.0}(R93,R96,R99,R102)]	*NOT available in DP
26	8.0000	PC			RESISTOR;CARBON;4Kohm7;5%;0W063;SMD603	[P0A3A:1: {3.0}(R352,R354,R370)]	*NOT available in DP
27	1.0000	PC			RESISTOR;CARBON;5Kohm1;5%;0W063;SMD603	[P0A3A:1: {1.0}(R17)]	*NOT available in DP
28	39.0000	PC			RESISTOR;CARBON;10Kohm;5%;0W063;SMD603	[P0A3A:02: {12.0}(R11-R12,R22-R23,R25-R26,R28-R30,R32,R34,R36)]	*NOT available in DP
29	4.0000	PC			RESISTOR;CARBON;30Kohm;5%;0W063;SMD603	[P0A3A:1: {4.0}(R194,R205-R206,R255)]	*NOT available in DP
30	1.0000	PC			RESISTOR;CARBON;33Kohm;5%;0W063;SMD603	[P0A3A:1: {1.0}(R92)]	*NOT available in DP
31	75.0000	PC			RESISTOR;CARBON;47Kohm;5%;0W063;SMD603	[P0A3A:02: {16.0}(R14,R16-R17,R31,R33,R35,R37,R46,R70,R80-R81,R83-R86,R103)]	*NOT available in DP
32	8.0000	PC			RESISTOR;CARBON;100Kohm;5%;0W063;SMD603	[P0A3A:1: {8.0}(R127-R128,R134-R135,R141-R142,R148-R149)]	*NOT available in DP
33	1.0000	PC			RESISTOR;CARBON;150Kohm;5%;0W063;SMD603	[P0A3A:1: {1.0}(R56)]	*NOT available in DP
34	1.0000	PC			RESISTOR;CARBON;220Kohm;5%;0W063;SMD603	[P0A3A:1: {1.0}(R276)]	*NOT available in DP
35	1.0000	PC			RESISTOR;CARBON;390Kohm;5%;0W063;SMD603	[P0A3A:1: {1.0}(R27)]	*NOT available in DP
36	5.0000	PC			RESISTOR;CARBON;1Mohm;5%;0W063;SMD603	[P0A3A:02: {4.0}(R13,R15,R82,R87)]	*NOT available in DP
37	4.0000	PC			RESISTOR;METAL;5ohm1;1%;0W063;SMD603	[P0A3A:1: {4.0}(R101-R102,R155,R157)]	*NOT available in DP
38	1.0000	PC			RESISTOR;METAL;221ohm;1%;0W063;SMD603	[P0A3A:1: {1.0}(R240)]	*NOT available in DP
39	1.0000	PC			RESISTOR;METAL;499ohm;1%;0W063;SMD603	[P0A3A:1: {1.0}(R241)]	*NOT available in DP
40	4.0000	PC			RESISTOR;METAL;634ohm;1%;0W063;SMD603	[P0A3A:1: {4.0}(R41,R44,R118,R121)]	*NOT available in DP
41	1.0000	PC			RESISTOR;METAL;1Kohm;1%;0W063;SMD603	[P0A3A:1: {1.0}(R8)]	*NOT available in DP

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
42	8.0000	PC			RESISTOR;METAL;1Kohm6;1%;0W063;SMD603	[P0A3A:1: {8.0}(R46,R48,R50,R52,R133,R140,R147,R154)]	*NOT available in DP
43	8.0000	PC			RESISTOR;METAL;1Kohm87;1%;0W063;SMD603	[P0A3A:1: {8.0}(R45,R47,R49,R51,R180-R183)]	*NOT available in DP
44	1.0000	PC			RESISTOR;METAL;2Kohm;1%;0W063;SMD603	[P0A3A:1: {1.0}(R93)]	*NOT available in DP
45	8.0000	PC			RESISTOR;METAL;2Kohm2;1%;0W063;SMD603	[P0A3A:1: {8.0}(R173,R175,R207,R209,R211,R215,R217,R220)]	*NOT available in DP
46	12.0000	PC			RESISTOR;SMT;2Kohm7;1%;METAL;0W063;SMD603	[P0A3A:1: {12.0}(R40,R43,R76,R78,R80,R82,R110,R112,R114,R116,R119,R122)]	*NOT available in DP
47	8.0000	PC			RESISTOR;SMT;2Kohm87;1%;METAL;0W063;SMD603	[P0A3A:1: {8.0}(R60,R64,R68,R72,R130,R137,R144,R151)]	*NOT available in DP
48	1.0000	PC			RESISTOR;METAL;3Kohm;1%;0W063;SMD603	[P0A3A:1: {1.0}(R15)]	*NOT available in DP
49	8.0000	PC			RESISTOR;METAL;3Kohm30;1%;0W063;SMD603	[P0A3A:1: {8.0}(R176,R178,R294-R295,R297-R298,R302-R303)]	*NOT available in DP
50	20.0000	PC			RESISTOR;METAL;4Kohm7;1%;0W063;SMD603	[P0A3A:1: {5.0}(R360,R371,R386,R391-R392)]	*NOT available in DP
51	8.0000	PC			RESISTOR;METAL;4Kohm75;1%;0W063;SMD603	[P0A3A:1: {8.0}(R59,R63,R67,R71,R131,R138,R145,R152)]	*NOT available in DP
52	9.0000	PC			RESISTOR;METAL;5Kohm49;1%;0W063;SMD603	[P0A3A:1: {1.0}(R351)]	*NOT available in DP
53	1.0000	PC			RESISTOR;METAL;6Kohm34;1%;0W063;SMD603	[P0A3A:1: {1.0}(R26)]	*NOT available in DP
54	4.0000	PC			RESISTOR;METAL;7Kohm50;1%;0W063;SMD603	[P0A3A:1: {4.0}(R195,R197,R200,R252)]	*NOT available in DP
55	3.0000	PC			RESISTOR;METAL;10Kohm;1%;0W063;SMD603	[P0A3A:02: {3.0}(R9-R10,R58)]	*NOT available in DP
56	1.0000	PC			RESISTOR;METAL;17Kohm4;1%;0W063;SMD603	[P0A3A:1: {1.0}(R98)]	*NOT available in DP
57	1.0000	PC			RESISTOR;METAL;22Kohm;1%;0W063;SMD603	[P0A3A:1: {1.0}(R94)]	*NOT available in DP
58	1.0000	PC			RESISTOR;METAL;51Kohm1;1%;0W063;SMD603	[P0A3A:1: {1.0}(R57)]	*NOT available in DP
59	1.0000	PC			RESISTOR;METAL;150Kohm;1%;0W063;SMD603	[P0A3A:1: {1.0}(R58)]	*NOT available in DP
60	8.0000	PC			RESISTOR;METAL;887ohm;1%;PPM100;0W063;SMD603	[P0A3A:1: {8.0}(R62,R66,R70,R74,R132,R139,R146,R153)]	*NOT available in DP
61	8.0000	PC			RESISTOR;CARBON;4ohm7;5%;0W1;SMD805	[P0A3A:02: {8.0}(R62-R63,R73-R76,R78-R79)]	*NOT available in DP
62	5.0000	PC			RESISTOR;CARBON;10ohm;5%;0W1;SMD805	[P0A3A:1: {1.0}(R348)]	*NOT available in DP
63	24.0000	PC			RESISTOR;CARBON;33ohm;5%;0W1;SMD805	[P0A3A:1: {24.0}(R184-R186,R189-R191,R221-R223,R226-R228,R243-R245,R248-R250,R266-R268,R271-R273)]	*NOT available in DP
64	17.0000	PC			RESISTOR;CARBON;100ohm;5%;0W1;SMD805	[P0A3A:1: {16.0}(R308-R311,R314-R317,R330-R333,R336-R339)]	*NOT available in DP
65	1.0000	PC			RESISTOR;CARBON;220ohm;5%;0W1;SMD805	[P0A3A:1: {1.0}(R307)]	*NOT available in DP
66	4.0000	PC			RESISTOR;CARBON;470ohm;5%;0W1;SMD805	[P0A3A:02: {4.0}(R42-R45)]	*NOT available in DP
67	4.0000	PC			RESISTOR;CARBON;10Kohm;5%;0W1;SMD805	[P0A3A:02: {4.0}(R61,R72,R77,R105)]	*NOT available in DP
68	4.0000	PC			RESISTOR;METAL;1Kohm3;1%;0W1;SMD805	[P0A3A:1: {4.0}(R164-R167)]	*NOT available in DP
69	1.0000	PC			RESISTOR;METAL;220Kohm;1%;0W1;SMD603	[P0A3A:1: {1.0}(R95)]	*NOT available in DP
70	8.0000	PC			RESISTOR;METAL;PPM100;47Kohm;0W1;1%;SMD603	[P0A3A:1: {8.0}(R170-R171,R230,R233,R236,R257,R259,R261)]	*NOT available in DP
71	2.0000	PC			RESISTOR;METAL;0ohm047;1%;1W;SMD2512	[P0A3A:1: {2.0}(R162-R163)]	*NOT available in DP
72	8.0000	PC			RESISTOR;METAL;6Kohm8;1%;0W25;LEAD WIRE;HORIZONTAL 26-6mm	[P0A3A:02: {8.0}(R1-R8)]	*NOT available in DP

Potentiometer

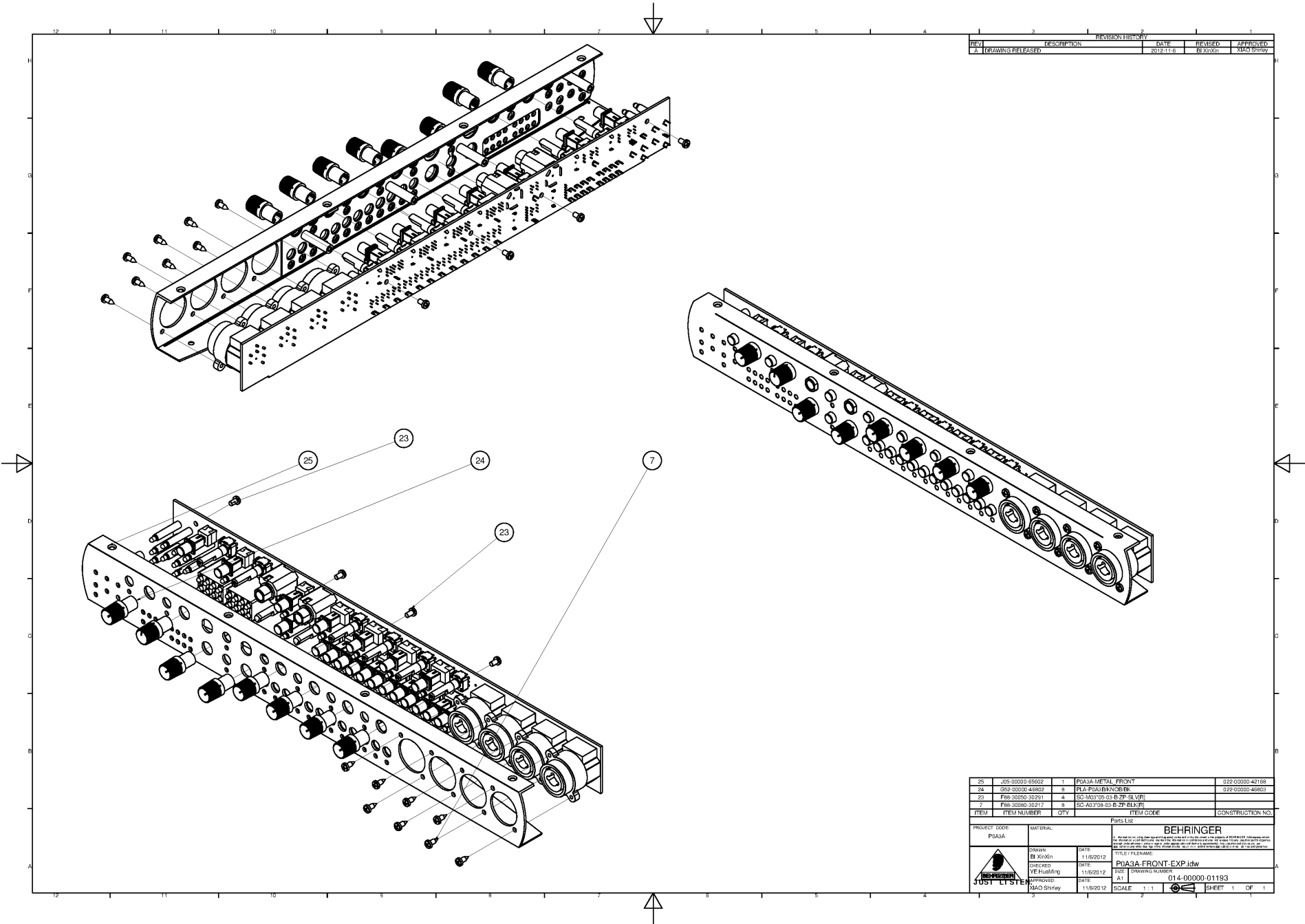
	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	2.0000	PC	Y03-87241-01971	I03-00000-67242	POTENTIOMETER;10Kohm;TAPER:B;MONO;SHAFT:30MM;W/O CC;HIGH TORQUE;NOBLE;	[P0A3A:02: {2.0}(VR5-VR6)]	
2	2.0000	PC	Y03-34141-13377	I03-00000-67246	POTENTIOMETER;10Kohm;TAPER:A;STEREO;SHAFT:30MM;W/O CC;HIGH TORQUE;NOBLE;	[P0A3A:02: {2.0}(VR7-VR8)]	
3	4.0000	PC	Y03-00001-30705	I03-00001-30705	POTENTIOMETER;5 kohm;0.050W;TAPER:05C;12 %;MONO;SHAFT:30MM;HT;W/O CC;IMPROVED TAPER 05C;SOUNDWELL	[P0A3A:02: {4.0}(VR1-VR4)]	

Switch

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	14.0000	PC	Y77-03422-02778	I77-03422-02778	SWITCH;RADIAL;2P2T;PCB VERSION;LOCKING;NONSHORT;RAD2P	[P0A3A:02: {14.0}{SW6,SW8-SW20}]	
2	5.0000	PC	Y77-03442-02780	I77-03442-02780	SWITCH;RADIAL;4P2T;PCB VERSION;LOCKING;NONSHORT;RAD4P	[P0A3A:02: {5.0}{SW1-SW5}]	
3	1.0000	PC	Y77-03822-02779	I77-03822-02779	SWITCH;RADIAL;2P2T;PCB VERSION;NONLOCK;NONSHORT;RAD2P/NON	[P0A3A:02: {1.0}{SW7}]	

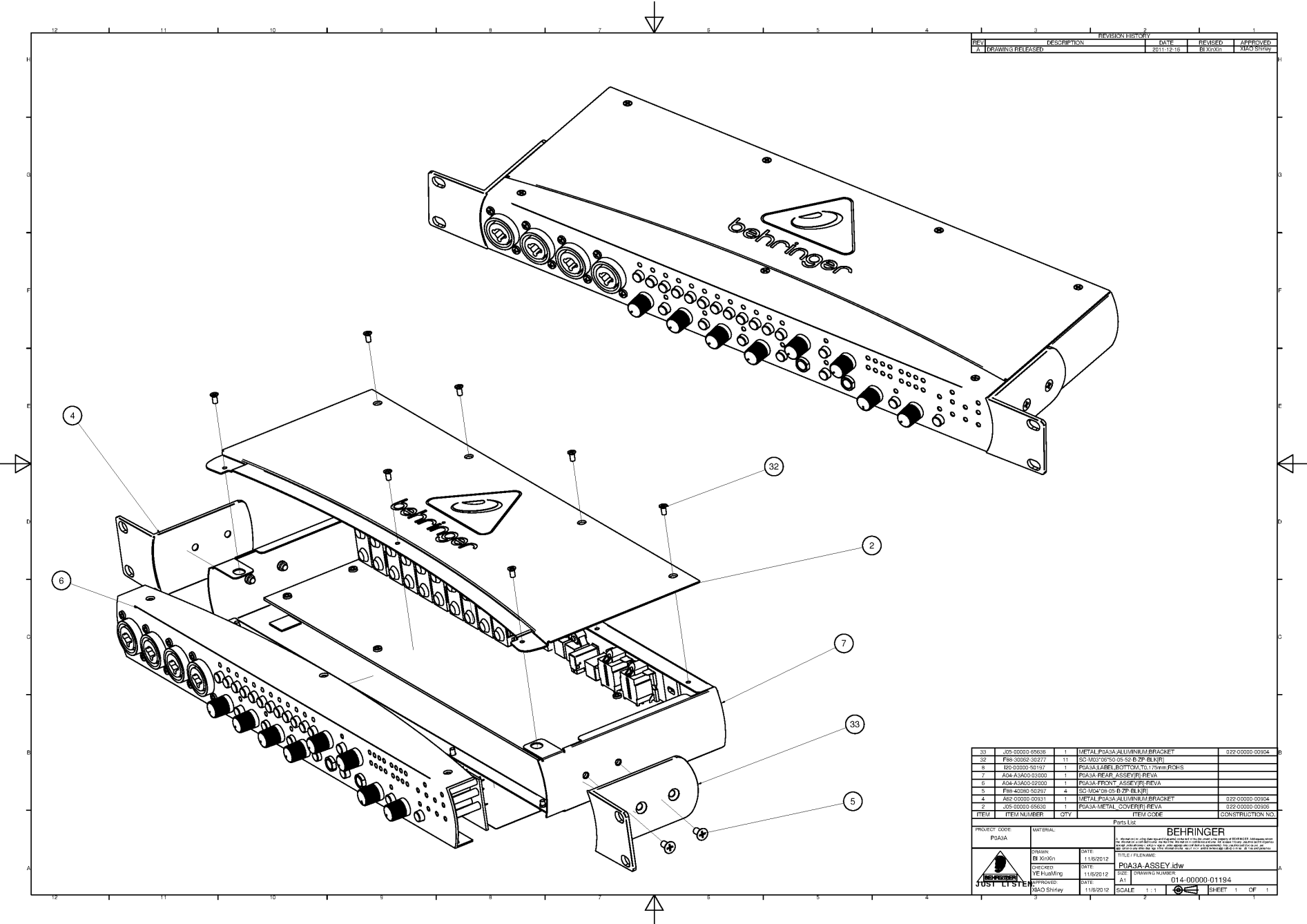
Transistor

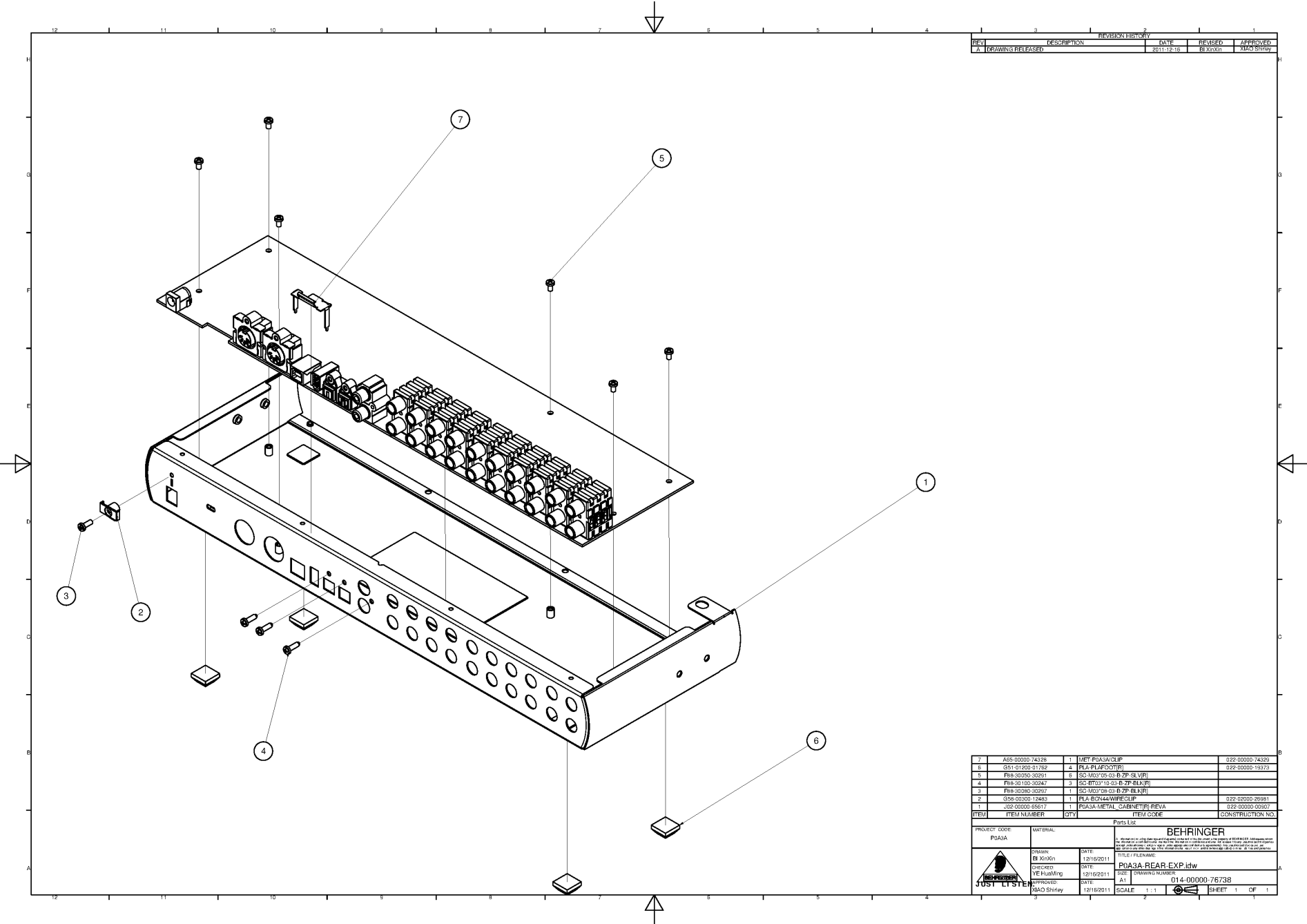
	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC			TRANSISTOR;MOSFET;SO;8;SMD;FDS3672	[P0A3A:1: {1.0}{T2}]	*NOT available in DP
2	8.0000	PC			TRANSISTOR;BC856B;SOT;SMD	[P0A3A:1: {8.0}{T3-T4,T8-T13}]	*NOT available in DP
3	8.0000	PC			TRANSISTOR;KTA1268GR;T/R;PITCH:2MM54;TO92	[P0A3A:01: {8.0}{T5-T7,T14-T18}]	*NOT available in DP



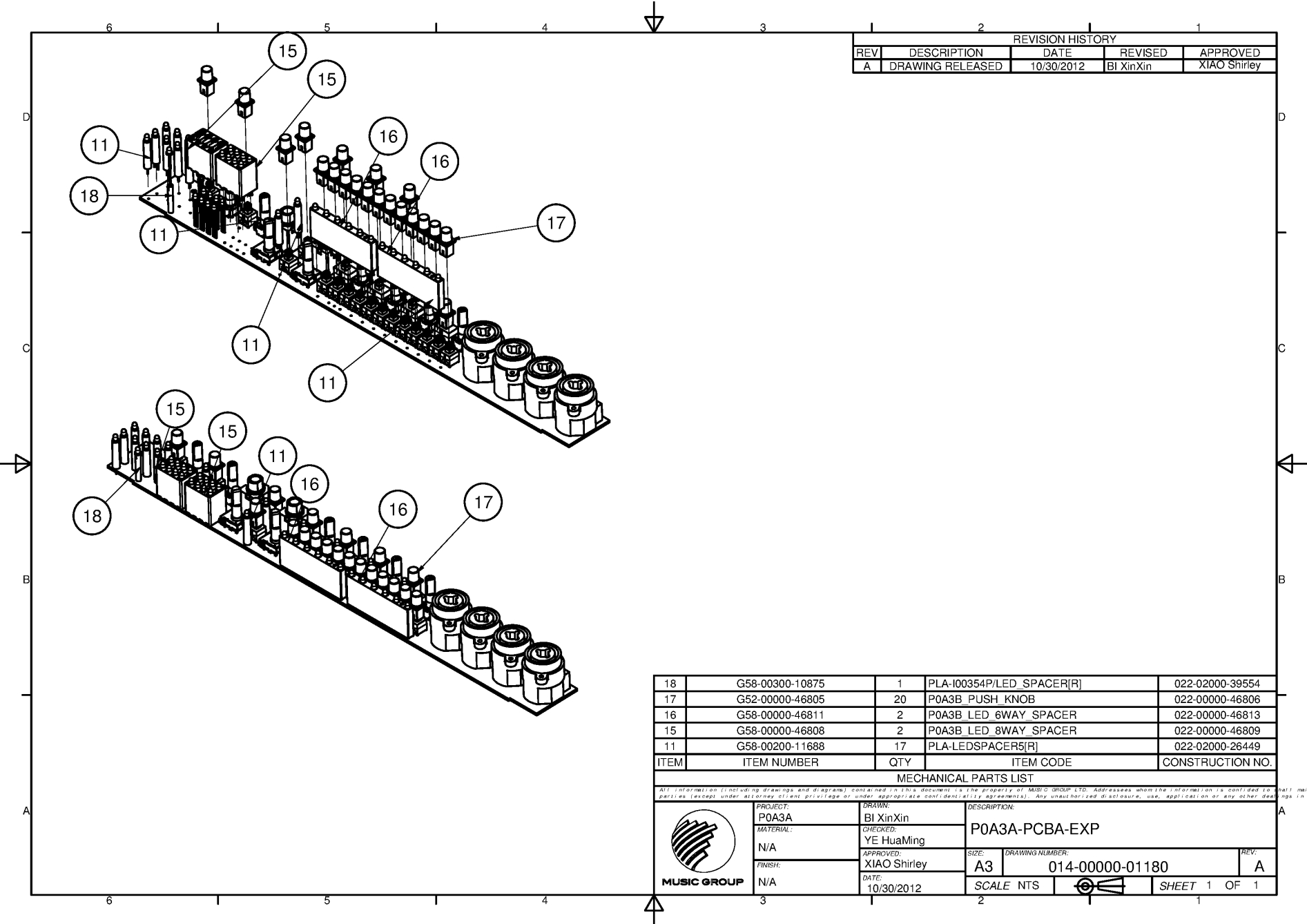
REVISION HISTORY				
REV	DESCRIPTION	DATE	REVISED	APPROVED
A	DRAWING RELEASED	2012-11-6	BI XIAOJIN	MAO SHIYU

25	QSP-00000-65602	1	PD3A-METAL FRONT	022-00000-42168
24	QSP-00000-45802	8	PLA-PD3A-BINNOBK	022-00000-46803
23	F88-00000-30261	4	SC-M03'09-03-B 2P (SLV[R])	
7	F88-00000-30217	8	SC-A03'09-03-B 2P (BLA[R])	
ITEM		ITEM NUMBER	QTY	ITEM CODE
PROJECT CODE		Parts List		
PD3A		BEHRINGER		
MATERIAL		TITLE / FILENAME		
DRAWN		DATE		
BI XIAOJIN		11/6/2012		
CHECKED		DATE		
YE Hualing		11/6/2012		
APPROVED		DATE		
MAO SHIYU		11/6/2012		
SCALE		1:1		
DRAWING NUMBER		014-00000-01193		
SHEET		1 OF 1		











We Hear You